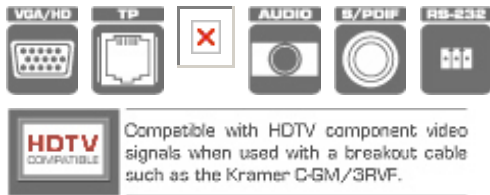




TP-310A

1:10 Computer Graphics Video, Audio & RS-232 over Twisted Pair Receiver & Distribution Amplifier



The TP-310A is a high-performance twisted pair receiver and distribution amplifier for computer graphics video, audio and RS-232 signals. The unit takes one twisted pair input and provides ten twisted pair outputs plus two computer graphics video, two stereo audio, two S/PDIF audio and two RS-232 outputs for local monitoring.

FEATURES

- HDTV Compatible.
- Max. Resolution - WUXGA & 1080p.
- Level (Gain) & EQ (Peaking) Controls - 15-pin HD outputs.
- Twisted Pair Connectors - RJ-45.
- Audio Outputs - 2 unbalanced stereo audio on 3.5mm mini jacks, 2 S/PDIF on RCA connectors.
- RS-232 Outputs - 2 RS-232 outputs on 4-pin terminal blocks.
- Sync Polarity Settings - H & V switches.
- System Range (Twisted Pair) - Up to 100m (320ft).
- Cable - UTP (unshielded twisted pair) or STP (shielded twisted pair) such as CAT 5.
- Power Connect™ System - A single connection to the TP-310A powers both units when the devices are within 150ft (50m) of each other.
- Worldwide Power Supply - 100-240V AC.
- Standard 19" Rack Mount Size - 1U. Rack "ears" included.



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TECHNICAL SPECIFICATIONS

INPUT: 1 RJ-45 connector.

OUTPUTS: 10 twisted pairs on RJ-45 connectors, 2 UXGA on 15-pin HD connectors, 2 unbalanced stereo audio on 3.5mm mini jacks, 2 S/PDIF on RCA connectors, 2 RS-232 on a 4-pin terminal block.

MAX. OUTPUT LEVEL: Video: 1.3Vpp/75Vpp; Audio: 2.3V/10kΩ.

POWER OUTPUTS: 12V DC 0.5A max via each RJ-45 output (PINs 4, 5).

MAX. RESOLUTION: WUXGA & 1080p.

BANDWIDTH (-3dB): 20Hz to 20kHz @ 1dB (audio).

SAMPLING RATE FOR 48kHz.

S/PDIF:

S/N RATIO: Audio: >75dB.

TOTAL GAIN: Analog to analog: 0dB; Analog to S/PDIF: -12dBFS (audio).

AUDIO THD+N: <0.02%.

POWER SOURCE: 100-240V AC, 50/60Hz, 50VA.

DIMENSIONS: 19" x 9.3" x 1U W, D, H, rack mountable.

WEIGHT: 3kg (6.6lbs) approx.

ACCESSORIES: Power cord, rack "ears".

